

CLAIMS

What is Claimed is:

- 1 1. A device for producing an artificial waterfall comprising:
 - 2 a. an elongated member comprising a first interior chamber, a second
3 interior chamber, a feed water inlet into the first interior chamber, a distribution slot
4 fluidly connection the first interior chamber to the second interior chamber, and a
5 waterfall slot; and
 - 6 b. a first end piece fluidly connected to a water source and fluidly
7 connected to the elongated member for allowing feed water to flow from the water
8 source through the feed water inlet into the elongated member,
9 wherein the first end piece and a second end piece anchor the elongated
10 member to a supporting structure.
- 1 2. The device as claimed in Claim 1, wherein the first chamber and the
2 second chamber are separated from each other by a divider and wherein the
3 distribution slot delineates a passageway through the divider allowing fluid
4 communication between the first chamber and the second chamber.
- 1 3. The device as claimed in Claim 1, wherein the waterfall is produced from
2 water flowing from the waterfall slot.
- 1 4. The device as claimed in Claim 1, wherein the first chamber transiently
2 collects the feed water and transfers the water through the distributing slot to the
3 second chamber, and the second chamber channels the water to and through the
4 waterfall slot.
- 1 5. The device as claimed in Claim 1, wherein the supporting structure is an
2 artificial body of water.
- 1 6. The device as claimed in Claim 5, wherein the supporting structure is
2 selected from the group consisting of spas, swimming pools, tubs and showers,
3 and the water source is a water filtering system used with the supporting structure.
- 1 7. The device as claimed in Claim 4, wherein the first end piece comprises a
2 channel therethrough for fluidly connecting the water source to the first chamber
3 through the feed water inlet.

1 8. The device as claimed in Claim 7, wherein the first end piece and the
2 second end piece are structured to hold the elongated member at a distance from
3 the supporting structure so that the device functions as a handle for a user of the
4 water structure.

1 9. A device for producing an artificial waterfall in an artificial water structure,
2 comprising:

3 a. an elongated member comprising a first interior chamber, a second
4 interior chamber, a feed water inlet into the first interior chamber, a distribution slot
5 fluidly connection the first interior chamber to the second interior chamber, a
6 divider separating the first chamber and the second chamber from each other, and
7 a waterfall slot;

8 b. a first end piece fluidly connected to a water source and fluidly
9 connected to the elongated member for allowing feed water to flow from the water
10 source through the feed water inlet into the elongated member and that anchors
11 the elongated member to the water structure; and

12 c. a second end piece that anchors the elongated member to the water
13 structure,

14 wherein the distribution slot delineates a passageway through the divider
15 allowing fluid communication between the first chamber and the second chamber,
16 the first end piece and the second end piece are attached to opposite ends of the
17 elongated member, and the waterfall is generated from the water flowing to the
18 water structure,

19 whereby passage of the water from the first chamber to the second
20 chamber through the divider more evenly distributes the water within the
21 elongated member so as to create a more uniform waterfall.

1 10. The device as claimed in Claim 9, wherein the elongated member, the first
2 end piece, and second end piece form a continuous structure.

1 11. The device as claimed in Claim 9, wherein the water entering the elongated
2 member exits exclusively out of the waterfall slot.

1 12. The device as claimed in Claim 9, wherein the first chamber transiently
2 collects the water and transfers the water through the distributing slot to the
3 second chamber, and the second chamber channels the water to and through the

4 waterfall slot.

1 13. The device as claimed in Claim 12, wherein the waterfall has a sheet-like
2 shape.

1 14. The device as claimed in Claim 9, wherein the supporting structure is an
2 artificial body of water.

1 15. The device as claimed in Claim 14, wherein the supporting structure is
2 selected from the group consisting of spas, swimming pools, tubs and showers,
3 and the water source is a water filtering system used with the supporting structure

1 16. The device as claimed in Claim 9, wherein the elongated member is
2 rotatable within the first end piece and the second end piece and the rotation of
3 the elongated member varies the direction of the waterfall.

1 17. The device as claimed in Claim 9, wherein the first end piece comprises a
2 channel therethrough for fluidly connecting the water source to the first chamber
3 through the feed water inlet.

1 18. The device as claimed in Claim 77, wherein the first end piece and the
2 second end piece are structured to hold the elongated member at a distance from
3 the supporting structure so that the device functions as a handle for a user of the
4 water structure.

1 19. A device for producing an artificial waterfall in an artificial water structure,
2 comprising:

3 a. an elongated member comprising a first interior chamber, a second
4 interior chamber, a feed water inlet into the first interior chamber, a distribution slot
5 fluidly connection the first interior chamber to the second interior chamber, a
6 divider separating the first chamber and the second chamber from each other, and
7 a waterfall slot;

8 b. a first end piece fluidly connected to a water source and fluidly
9 connected to the elongated member for allowing feed water to flow from the water
10 source through the feed water inlet into the elongated member and that anchors
11 the elongated member to the water structure; and

12 c. a second end piece that anchors the elongated member to the water
13 structure,

14 wherein the first end piece and the second end piece are structured to hold

15 the elongated member at a distance from the supporting structure so that the
16 device functions as a handle for a user of the water structure.

1 20. The device as claimed in Claim 19, wherein the first end piece is connected
2 to a source of water, the first end piece and the second end piece are attached to
3 opposite ends of the elongated member through attachment means, and at least
4 the first end piece has an internal structure to channel the water flow from the
5 source of water into the first chamber.

1 21. The device as claimed in Claim 20, wherein the divider and the distribution
2 slot cooperate whereby passage of the water from the first chamber to the second
3 chamber through the divider more evenly distributes the water within the
4 elongated member so as to create a more uniform waterfall, and the device further
5 functions as a handle for a water structure.

1 22. The device as claimed in Claim 21, wherein the waterfall slot extends
2 lengthwise across the majority of the length of the elongated member.

1 23. The device as claimed in Claim 21, wherein the water entering the
2 elongated member exits exclusively out of the waterfall slot.

1 24. The device as claimed in Claim 21, wherein the elongated member is
2 rotatable within the first end piece and the second end piece and the rotation of
3 the elongated member varies the direction of the waterfall.

1 25. The device as claimed in Claim 21, wherein the first end piece comprises a
2 channel therethrough for fluidly connecting the water source to the first chamber
3 through the feed water inlet.

1 26. The device as claimed in Claim 25, wherein the first chamber transiently
2 collects the water and transfers the water through the distributing slot to the
3 second chamber, and the second chamber channels the water to and through the
4 waterfall slot.

1 27. The device as claimed in Claim 21, further comprising a plurality of
2 distribution slots through the divider.

1 28. The device as claimed in Claim 21, wherein the second end piece is fluidly
2 connected to a water source and is fluidly connected to the elongated member for
3 allowing feed water to flow from the water source through a second feed water
4 inlet into the elongated member.

- 1 29. The device as claimed in Claim 28, wherein the second end piece
2 comprises a channel therethrough for fluidly connecting the water source to the
3 first chamber through the second feed water inlet.
- 1 30. The device as claimed in Claim 21 in combination with a spa.